



MyXerver™MX3600

Network Storage

User's Guide

UNIVERSAL TECH PTE. LTD.
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CHAPTER 1 INTRODUCTION

A. OVERVIEW

Thank you for selecting MyXerver™ Network Storage!

MyXerver™ Network Storage is the ideal multimedia storage center for your home or small-business network.

MyXerver™ combines the functionality of a file server, together with a host of other value added features such as the Bit Torrent download feature which allows you do continuous download of internet content without turning on the PC, and an embedded media server, which enables streaming of audio or video to a compatible UPnP player. It is also an iTunes server, allowing music files on the network storage to be played on any PC or notebook in the network with iTunes software. Connect a USB printer, and you are able to use the print server function to share the printer anywhere within your network.

MyXerver™ Network Storage comes with the Continuous Data Protection software for real-time automated backup of your data from your PC or notebook.

B. FEATURES

The following features are available on MyXerver™ Network Storage:

Feature	Benefit
Web management interface	Access and manage MyXerver™ anywhere via a web browser
Gigabit Ethernet	Enjoy Gigabit Ethernet speed
Bit Torrent Download	Do continuous download of internet contents even if your PC is not turned on
File Server	Share files over the network, define user or group access rights, and disk space quota
FTP Server	Setup FTP server, and access it from anywhere
USB Printer Server	Connect a USB printer and share it in your local network
iTunes Server	Stream music from your iTunes library on MyXerver™ to any notebook or PC in your local network
UPnP Server	Stream music or video to a compatible UPnP device in your local network
MP3 Broadcast	Broadcast MP3 music in your local network
USB Direct Copy	Directly copy contents from a USB storage device to MyXerver™ at the touch of a button

C. BOX CONTENTS

- MyXerver™ Network Storage enclosure with 3.5" SATA hard drive
- Ethernet Cable
- Power Adapter (Wall-mount type)
- Rubber Feet (4x)
- Quick Start Guide
- Setup CD

D. SYSTEM REQUIREMENTS

- PC or Mac with internet browser and network access
- Switch, router or cable modem with one free Ethernet port to connect to MyXerver™
- Supported Operating Systems:
- PC Users: Windows 2000/XP/Vista™
- Mac Users: Mac OSX 10.3 or later

E. TECHNICAL SPECIFICATIONS

Hardware	
CPU Speed	250 MHz
RAM	32 MB DDR
Flash Memory	8 MB
HDD	1*3.5" SATA
LAN Interface	10/100/1000 Base-T
USB Port	1*USB 2.0, to connect to USB disk or USB printer
LED Indicators	Power, HDD Activity
Power Supply	External Adapter Wall-mount type
Operating Environment	
Temperature	5 ~ 40°C
Humidity	20 ~ 80%
Non-Operating Environment	
Temperature	-10 ~ 70°C
Humidity	0 ~ 80%
Product Dimension (mm)	171 x 135 x 58
Retail Box Dimension (mm)	201 x 175 x 135

Software	
Networking	TCP/IP, HTTP, FTP, NTP, CIFS/SMB, NFS, AFP, DHCP Client
File System	
Internal HDD	XFS
External HDD	FAT32, NTFS (Read-only)
System Tools	System firmware upgrade Email alert HDD Standby mode Backup and restore system settings Network recycle bin Event log
Data Backup Management	Continuous Data Protection with NTI Shadow® software

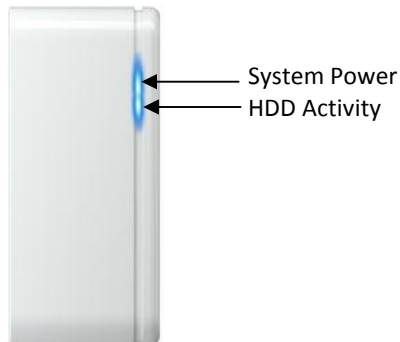
F. SAFE HANDLING INSTRUCTIONS

- MyXerver™ Network Storage is designed to operate normally in the temperature range of 5° C to 40° C, and relative humidity of 20-80%.
- Do not block the airflow around the drive when the drive is turned on
- Do not place the product in direct sunlight

- Incorrect handling such as dropping the drive can cause data loss and invalidates the warranty.
- Do not move or disconnect the drive while it is operating to avoid hardware damage and potential data loss.
- Do not stack anything on top of the drive; this can overheat and damage your drive.
- Do not place the product near any liquid. Liquids can damage the internal electronics.
- Do not attempt to open the drive's enclosure. This action voids the warranty.

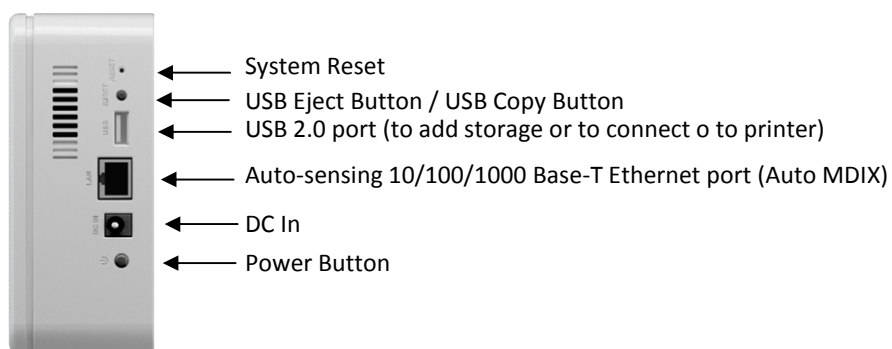
CHAPTER 2 FAMILIARIZATION WITH YOUR NAS

A. FRONT PANEL



	System Power LED	HDD Activity LED
NAS is powered off	Off	Off
Startup Mode (1-3 mins)	Blinking	On-Off-On
Normal operation, no HDD activity	On	On
Normal operation, with HDD activity	On	Blinking
During : Disk scanning, SMART disk checking, Firmware upgrade or HDD format	Cross-blinking	Cross-blinking

B. REAR PANEL



System Reset	This button has 2 functions: - IP Address Reset. If the NAS's IP address is lost, press and hold this button for 2 seconds. The IP address will be reset to the default (DHCP client) and the system will beep once to indicate that reset has occurred. - Password Reset. If the NAS administrator's password is lost, press and hold the button for 10 seconds. The password will be cleared, and the
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	NAS will beep twice.
USB Port	You can connect 2 different devices here: ▪ USB hard drive or flash drive. Supported file formats are FAT32 and NTFS (read-only). ▪ USB Printer
USB Eject	This button has 2 functions: ▪ USB Eject. Press the button. You will hear the 1st beep sound. Wait a few seconds for the 2nd beep sound which indicates that the USB device is ready to be disconnected. ▪ USB Direct Copy. If you connect a USB storage device to MyXerver™, and press the button for 5 seconds, there will be 2 beep sounds indicating that the contents of the USB storage device will be copied onto MyXerver™.
Ethernet Port	Use this port to connect the NAS to your router/switch/hub.
Power Button	This is a spring-loaded “soft-switch”. ▪ If the power is off, press once to turn it on. ▪ If the power is on, press once to start the Shutdown sequence. During Shutdown, the Power LED will blink. When Shutdown is completed, all LEDs will turn off.

C. AUDIBLE WARNINGS

Audible warnings are given under the following conditions:

1 Beep	After connecting a USB device, a beep sound will indicate that the device is ready to use
1 Beep	Upon pressing the USB Eject button, you will hear the 1st beep sound. After a few seconds you will hear a 2nd beep sound indicating that the USB device is allowed to be disconnected
1 Beep	Reset button is pressed
1 Beep	Power switch is pressed
1 Beep	System is ready to use after upgrade and NAS boots up again
2 Beeps	If you connect a USB storage device to MyXerver™, and press the USB Eject Button for 5 sec, there will be 2 beep sounds indicating that the contents of the USB storage device will be copied onto MyXerver™
3 Beeps	When hard disk usage exceeds 98%

CHAPTER 3 BASIC INSTALLATION

A. INSTALLATION STEPS

1. Connect the network cable to the Ethernet port at the rear panel of MX3600. Connect the other end to your hub or switch.
2. Connect the power adapter to a power outlet, and plug the power cord into MX3600's power input at the rear panel.
3. Locate the power button at the rear panel of MX3600. Press it once to power on the NAS.
4. MX3600 will start a bootup process, and the system power LED will blink continuously. Boot up time is approximately 1-3 minutes.
5. When the system power LED stops blinking and remains on, boot up process is complete.

B. USB DEVICES – HOW TO DISCONNECT SAFELY

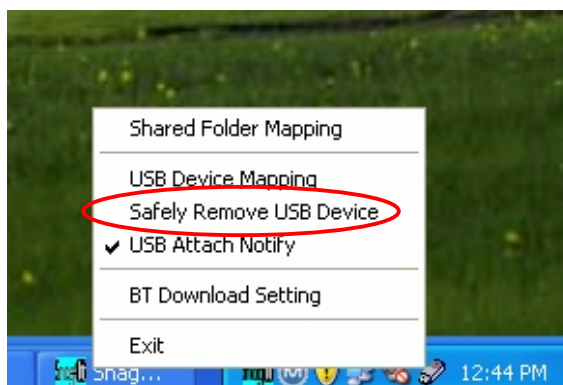
There are 2 ways of removing a USB device.

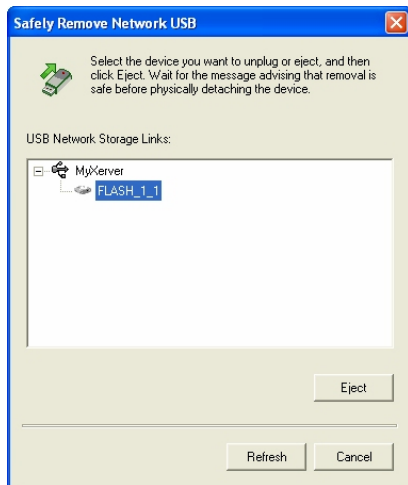
Method 1:

Press the USB eject button at the rear panel. Upon pressing the USB Eject button, you will hear the 1st beep sound. After a few seconds you will hear a 2nd beep sound indicating that the USB device is allowed to be disconnected.

Method 2:

You can also use the Windows utility installed from the Setup CD. After installing the utility from the CDROM, a Flash Map icon will be displayed on the system tray.





1. Right click on the Flash Map icon in the system tray.
2. Select Safely Remove USB Device
3. Select the desired NAS and USB device, and click Eject button.
4. Wait for the message to appear, telling you it is safe to remove the device.

Note: If the USB device is not removed, it will not be reconnected. You must remove and re-insert the USB device to have it re-connected.

C. CONFIGURING YOUR NAS

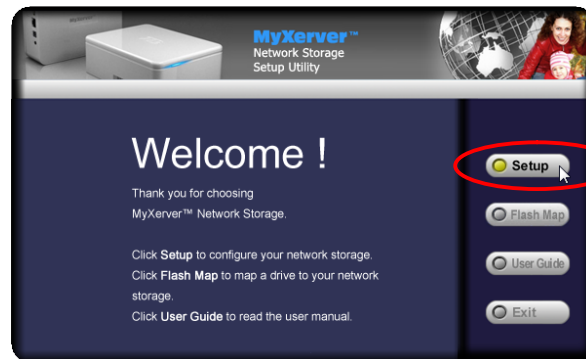
Now that everything is connected and powered on, you are ready to configure your NAS so that it is accessible to the users on your network.

This procedure only needs to be done ONCE, by the NAS Server's Administrator. Other LAN users should follow the Client PC Setup procedure described in the following chapter.

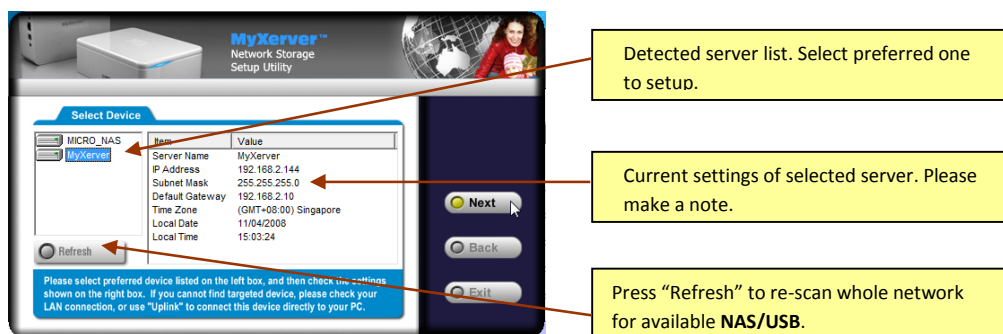
The initial configuration can be done either by using the Setup CD (Windows only), or by using a web browser. Use the Setup CD method if you have more than one unit of MyXerver™ on your network.

METHOD 1 – USING THE SETUP CD (WINDOWS ONLY)

1. Insert the MyXerver™ MX3600 Setup CD into your CD-ROM drive of your computer.
2. Run the program NAS_Setup.exe which is located at the root (top) folder of your CD-ROM. The Welcome screen will be displayed.



3. Click **Setup** to start the Setup Utility. The Utility will begin scanning your network for installed NAS drives, and a screen like the following will be displayed. The default Server Name of MX3600 is "MyXerver".



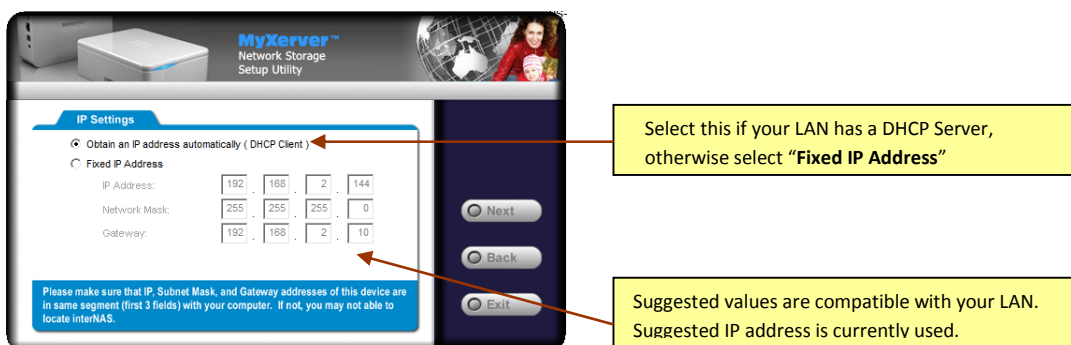
A list of MX3600 network storage on your network will show on the left side. The right side displays details of the currently selected NAS.

If the desired MX3600 network storage is not listed, check the following:

- The MX3600 has finished the start up and boot process.
- Your PC and the MX3600 are on the same LAN segment (there is no Router between your PC and the MX3600).

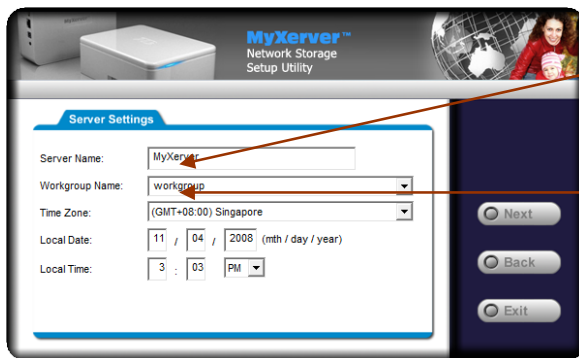
Otherwise, select the desired NAS (default name of MyXerver), and click the "Next" button.

4. The following screen will then be displayed. Select your desired IP configuration.



Obtain an IP address automatically (DHCP Client)	Select this only if your LAN has a DHCP Server which can allocate IP address automatically.
Fixed IP Address	You need to enter the following data: IP address: The utility will suggest an unused IP address within the address range used on your LAN. If you wish, you can change this, but you must ensure the address is unused. Network Mask: This must match the value used by PCs on your LAN. Gateway: This must match the value used by PCs on your LAN.

5. Click **Next** to continue. The following screen will then be displayed:



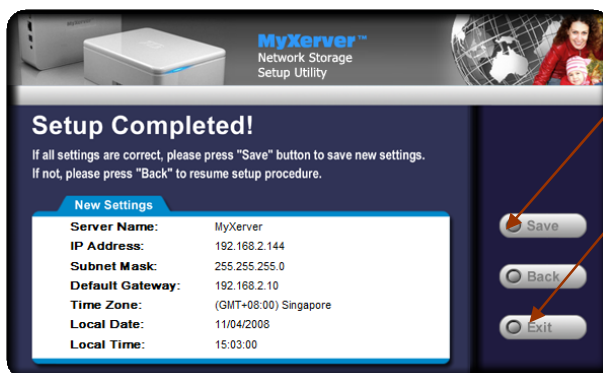
Each **NAS** comes with a unique Server Name. You may change it if you wish.

All workgroups on the network are listed. You may select one from the pull-down menu, or create a new one

Set the proper Time-Zone, Date and Time here.

Server Name	The default name is MyXerver. Change this to your own preferred server name.
Workgroup Name	Normally this name should match the Workgroup name used by PCs on your LAN.
Time Zone	Select your time zone from the list
Local Date / Time	Enter the local date (mm/dd/yyyy format) and time

6. Click **Next** to continue. The following screen is displayed.



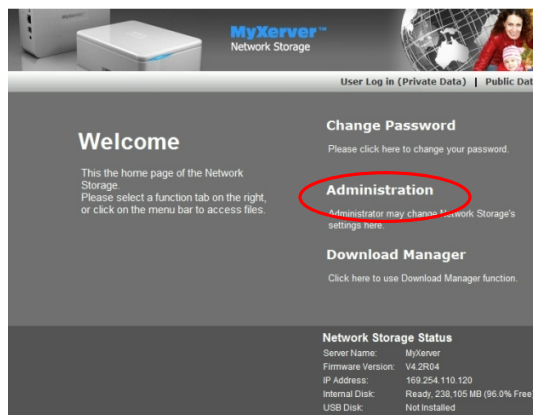
All Settings are displayed. Please confirm they are correct, then click **Save**.

After saving, a final screen will be displayed. Press **Exit** to close the Setup Utility.

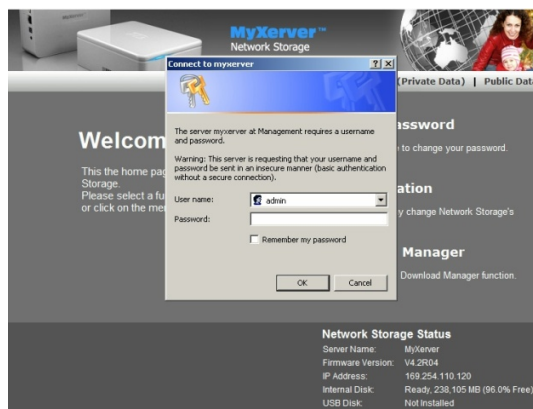
7. Click **Save** to save your configuration to the NAS. On the next screen, click **Exit** to close the Setup utility. The NAS is now operational.

METHOD 2 – USING THE WEB INTERFACE

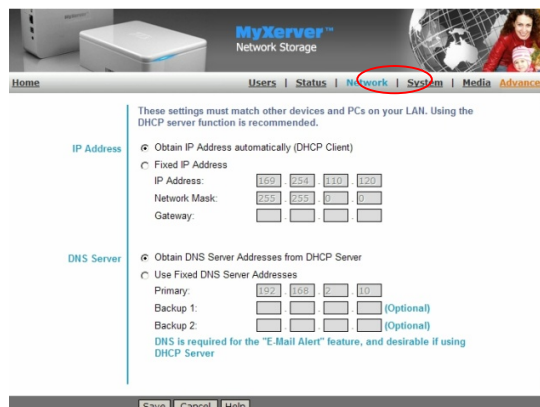
1. Open up your web browser, and type in the address bar: <http://myxerver>. (“myxerver” is the default name of the NAS, if you have not changed it). The following welcome screen will be displayed.



2. Click on **Administration**. A window will pop up, requesting for user name and password. Enter user name as “admin”, and leave the password blank.



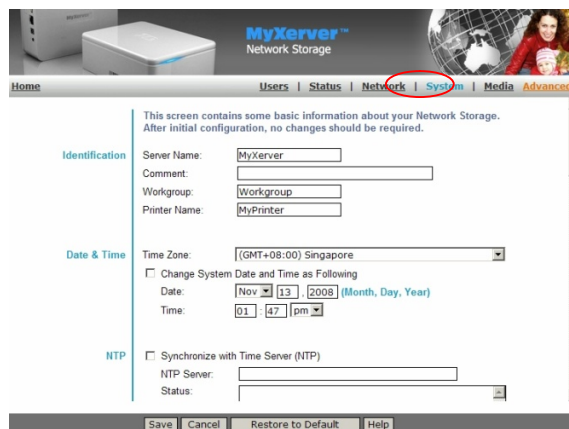
3. Click on the **Network** menu item. The IP configuration screen will be displayed.



Obtain an IP address automatically (DHCP Client)	Select this only if your LAN has a DHCP Server which can allocate IP address automatically.
Fixed IP Address	You need to enter the following data: IP address: The utility will suggest an unused IP address within the address range used on your LAN. If you wish, you can change this, but you must ensure the address is unused. Network Mask: This must match the value used by PCs on your LAN. Gateway: This must match the value used by PCs on your LAN.

After entering your IP configuration, click on **Save** button.

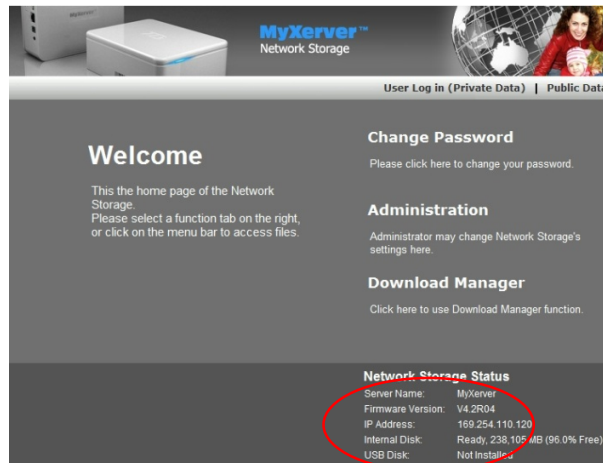
- Next, select the **System** menu item.



Server Name	The default name is MyXerver. Change this to your own preferred server name.
Workgroup Name	Normally this name should match the Workgroup name used by PCs on your LAN.
Time Zone	Select your time zone from the list
Local Date / Time	Enter the local date (mm/dd/yyyy format) and time

After setting the above parameters, click on **Save** button. Please wait 1-2 mins for the configuration to take effect.

5. The NAS is now operational. You can view the Network Storage Status on the Welcome screen.



Other Configuration

After the configuration above, all Windows users can access MX3600 with "guest" access rights.

However, we recommend creating a "User" for each person on your LAN. This will provide each person on your LAN with their own login (name and password) as well as their own personal folder on the NAS. See the chapter on **Administration Setup** for details on creating users via the web interface.

CHAPTER 4 CLIENT PC SETUP

A. FINDING MYXERVER™ MX3600 ON YOUR NETWORK

FOR WINDOWS VISTA™/XP/2000 OR NT 4.0 USERS

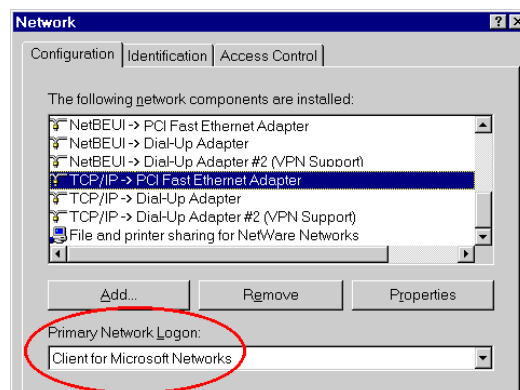
1. Open Network Neighborhood or My Network Places.
2. Locate the MX3600. If it is not listed, double-click Entire Network. Then double-click the Workgroup that the MX3600 is in. By default, the MX3600 is in Workgroup.
3. Double click on the MX3600 icon. You will then see a list of shares (shared folders). You can read and write files to these shares, unless the MX3600 administrator has blocked access.

FOR WINDOWS 95/98/ME USERS

If you use Windows 95/98/ME, you must logon to the Network correctly in order to use the NAS.

To check your Network Logon, following this procedure:

1. Click on **Start - Settings - Control Panel - Network**.
Ensure the **Primary Network Logon** is set to "Client for Microsoft Networks", as shown below.

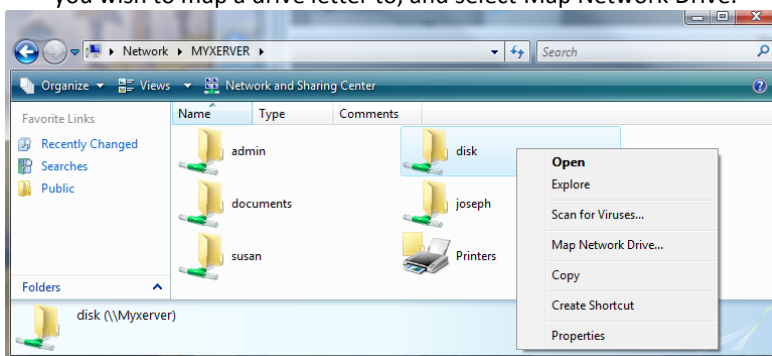


2. Windows will prompt you to logon to the Network when it starts (boots).
3. You MUST logon. (Otherwise, if you press ESC or click Cancel, no network resources will be available.)
4. When you logon, you need to use a valid User Name and Password which has been defined by the NAS administrator.

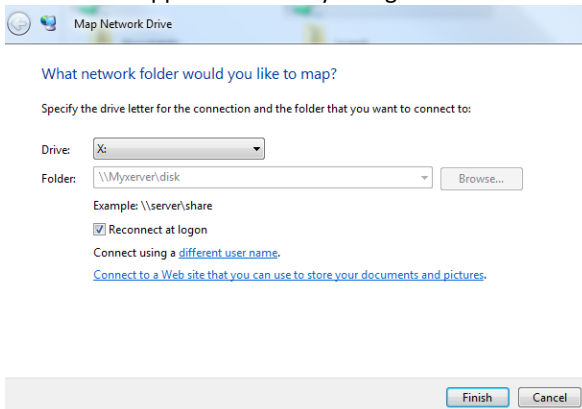
B. USING THE NAS STORAGE

METHOD 1- MAPPING A NETWORK DRIVE THROUGH WINDOWS OS

1. Open **Network / Network Neighborhood / My Network Places**.
2. Locate the NAS.
3. If it is not listed, double-click Entire Network. Then double-click the Workgroup that the NAS is in. (By default, the NAS is in Workgroup.)
4. Double click on the NAS icon, and you will see a list of shares. Right click on the shared folder which you wish to map a drive letter to, and select Map Network Drive.



5. Select the desired drive letter to use. Click on Reconnect at logon, in order to have the same drive letter mapped each time you logon.



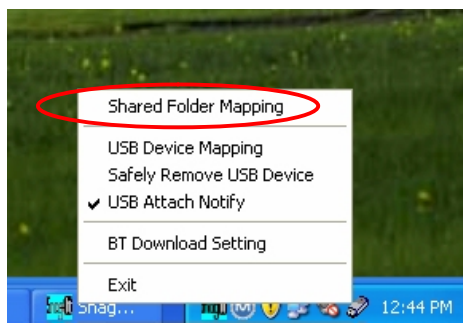
6. When you try to access a folder you may be prompted for a user name and password. Please enter the user name and password which has been created by the NAS administrator for you on the NAS. (Default user is admin, and password is blank)

METHOD 2-MAPPING A NETWORK DRIVE USING THE FLASH MAP WINDOWS UTILITY FROM THE SETUP CD

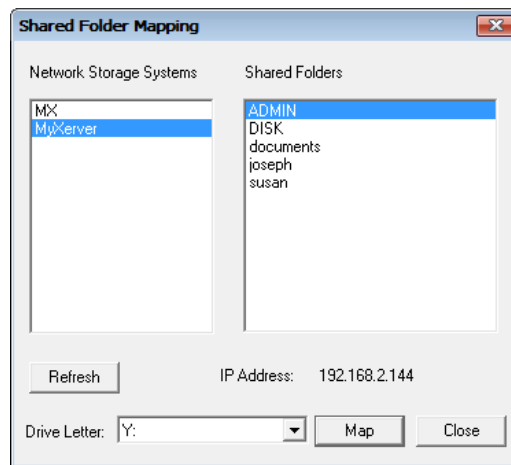
1. Insert the CDROM into your PC, and run NAS_Setup.exe. On the Welcome screen of the setup program, click on Flash Map to install the utility.



2. The Flash Map icon will be installed on the system tray. Right click on the Flash Map icon and select "Shared Folder Mapping".



3. The following will be displayed. A list of all the NAS's on your network will show on the left side. The right side displays share folders of the currently selected NAS



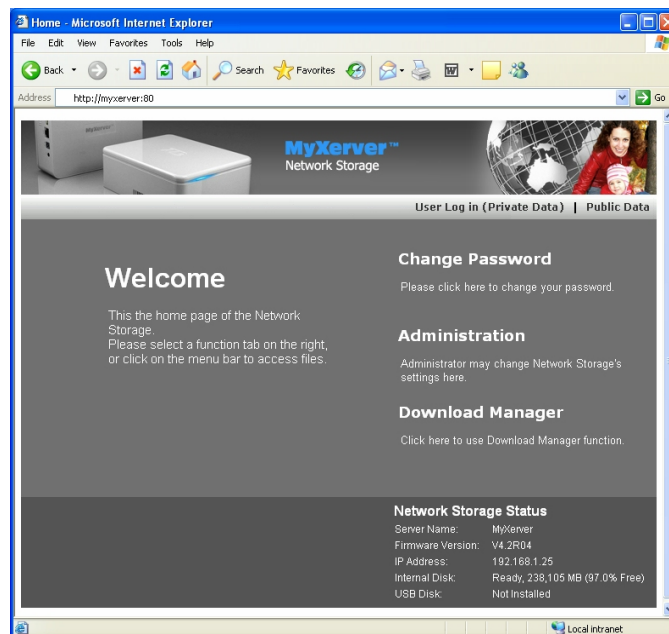
4. Select which share folder you want to map and select a drive letter for this share folder then click **Map** button.
5. This drive will now be available in Windows Explorer, and from the File-Open or File-Save As dialog in all Windows applications.

METHOD 3- ACCESSING THE NAS STORAGE VIA WEB INTERFACE

1. In your Browser's Address or Location bar, enter "http://" and the MX3600 Server's IP Address. Alternatively, enter <http://myxerver>, as this is the default hostname of MX3600, if you have not changed the name.

If the HTTP port number of the NAS has been changed (default is 80), you must define the port number when you connect. For example if HTTP port has been changed to 8080, then you need to type in: <http://192.168.1.25:8080>.

To connect via the Internet, additional setup is required. See the chapter on Accessing MyXerver™ over the Internet.



2. To browse the files and folders on the MX3600, click on either the **Private Data** or **Public Data** on the main screen. To browse the contents of **Private Data**, you will need to login with a user name and password. Default user is **admin** and password is empty.
3. To view or download a file, click on its name. To download any file, right-click its name and choose "Save target as..."

C. CHANGING PASSWORD

Although the Administrator of the NAS must create your user name and initial password, you can then change your own password whenever you wish, as follows:

1. On the Home page of the web interface, click on the **Change Password**.
2. The following screen will be displayed.



[Home](#) [User Password](#)

This page allows user to change her/his password to match Windows Logon password. If your Network Storage has same User Name and Password as Windows, then you may access the Network Storage through Network Neighborhood directly.

User Name:

Existing Password:

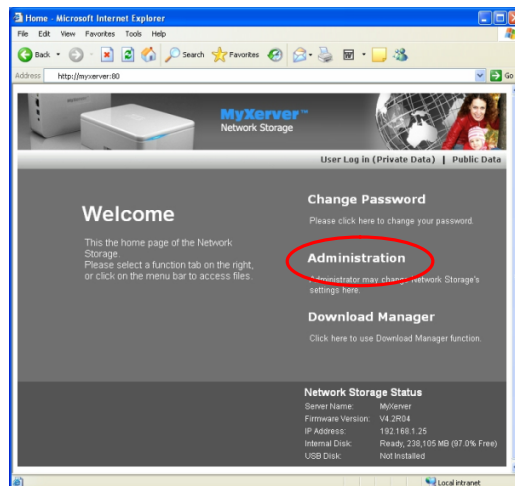
New Password:

Confirm New Password:

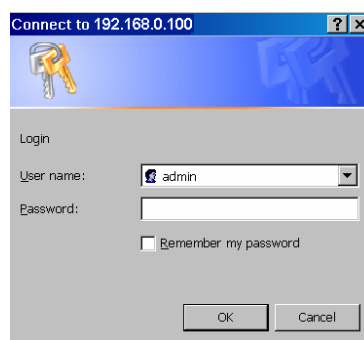
3. Enter the required data:
 - User Name – your login name on the NAS, created by the NAS administrator
 - Existing Password – your current password
 - New Password – the password you now wish to change to
 - Confirm New Password – re-enter the new password to ensure it is correct
4. Click **Save** to save the changes
5. Click **Home** to return to the main screen.

CHAPTER 5 ADMINISTRATION SETUP

A. WEB ADMINISTRATION SETUP



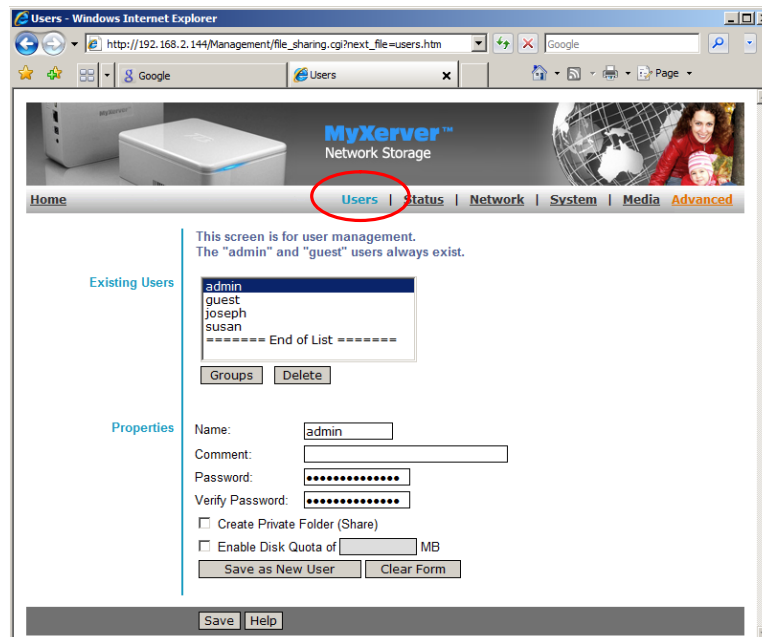
1. Click on **Administration** link on the **Home** page.
2. You will be prompted for a password as shown below:



3. Enter user name as **admin** and leave password blank. This is the default setting. To change the password, click on the **Change Password** link on the Home page.
Note: To gain access, you must enter the user name and password of a user in the **Administrators** User Group.
A **Users** screen will be displayed, as described in the following section.

B. USERS SCREEN

This screen allows you to manage the Users that exist on the NAS.



- The "admin" and "guest" users are pre-defined, and cannot be deleted.
- Users can be members of many user Groups.

Existing Users

User List	This list shows all existing users. As you scroll through the list of users, details of the selected user are displayed in the "Properties" area.
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Groups Button	Clicking this button will display the Groups of which the selected user is a member. You can then add this user to other Groups, or remove existing membership
Delete Button	Use this to delete the selected user. When deleting a user, you have the option of deleting the Group and Share with the same name as the user (if they exist).

Properties

Name	User Name. Note that some special characters (e.g. " / \ [] ; : = . , + * ? < > ' ` ") and 2-byte characters cannot be used in it.
Comment (Optional)	Enter a comment if you wish. Note that some special characters (e.g. " \ : , ' ") and 2-byte characters cannot be used in it.
Password Verify password	Enter the user's password in these fields. Note that 2-byte characters cannot be used in it. These fields are also used to change an existing user's password, as follows: Select the desired user Clear the existing values in the password fields. Enter the desired password in both the "Password" and "Verify Password" fields. If no password is required, leave both fields blank. Click the "Save" button. When creating a new user, enter the desired password in both of these fields.

Create Private Folder (Share)	If creating a new user: Checking this option will create a Group and a Private Folder (Share) with the same name as the user. Read/Write access will be granted to the Share. If changing an existing user: The checkbox has no effect - it will neither create nor delete. This option is only available when creating a new user.
Enable Disk Quota	Enable the checkbox if you want to set the disk usage for the user, then enter the maximum amount of disk space this user is allowed to use. Note! Unless the checkbox is checked, the Disk Quota field has no effect.

Clear Form Button	Use this button to clear the form, preparing the form for the entry of a new user.
Save as New User Button	Use this Button to create a new user, after entering their data in the Properties fields.

How to modify the properties of an existing user

- Select the desired user from the list. Their details will be displayed in the **Properties** fields.
- Edit the **Properties** fields as required. Note that you cannot change the **Create Private Folder (Share)** option when modifying a user.
- Click the **Save** button to save your changes.

How to define or modify Group membership of a user

- Click on the Groups button. The following screen will be displayed. This screen also allows you to add or revoke membership.

User Membership

User Name: admin

Member of (groups)

everyone
 administrators
 ----- End of List -----

<<

>>

Other Groups

-- End of List --

Select multiple Groups by holding CTRL while selecting.

Help
Close

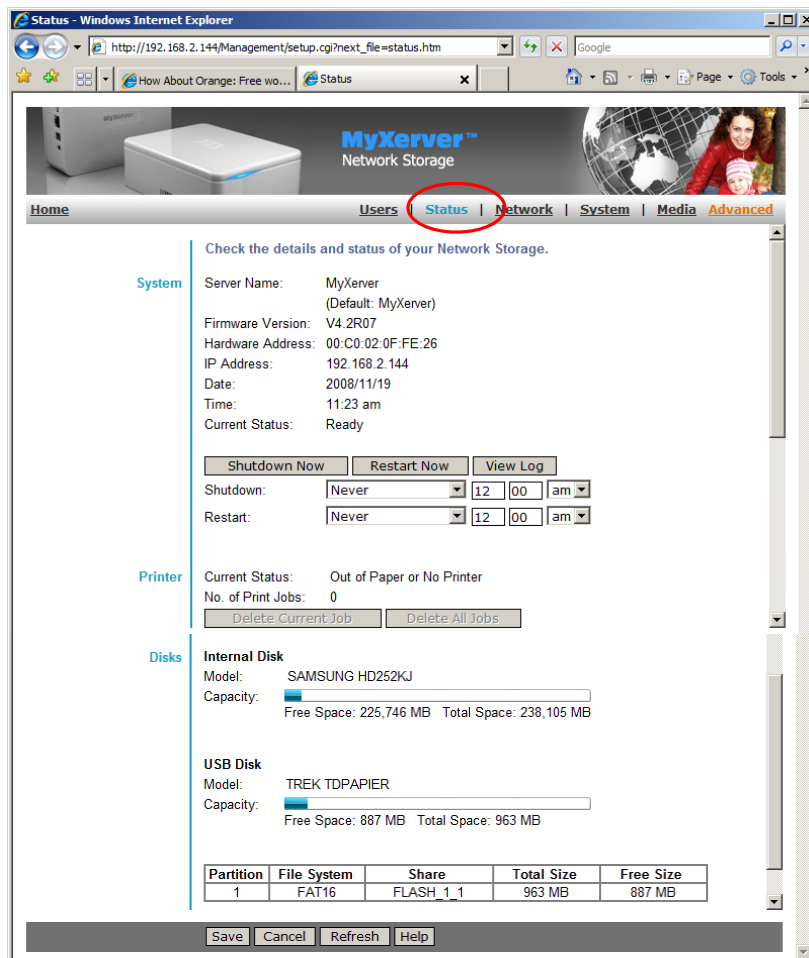
User name	The name of the user being modified is shown at the top of the screen
Member of	The Member of column on the left shows the Groups that this user belongs to
Other Groups	The Other Groups column on the right shows all the other Groups which may be added to the list of membership.

- To add membership of a Group, select the Group or Groups in the right-hand column, then click the "<<" Button. Multiple Groups can be selected by holding down the CTRL Key while selecting.

- To Revoke Membership of a Group. Select the Group or Groups in the left-hand column, then click the ">>" Button. Multiple Groups can be selected by holding down the CTRL Key while selecting.
- When finished, click the **Close** button.

C. STATUS SCREEN

This screen is used to check the status of the NAS.



System

Server Name	Current name of the NAS. This name will be shown in Network Neighborhood / My Network Places. The default server name is MyXerver. If you installed more than one unit of MX3600 on your network, be sure to change the server name to ensure there is no conflict. Server Name is restored to default one after configuration restore.
Firmware Version	Current version of the firmware in the NAS.
IP Address	IP Address currently used by the NAS.
Time	Current time of the NAS.
Current Status	Indicates the current status of the NAS. This is usually in Ready mode. If

	the Server is not available, the message will say why the NAS is not available (e.g. Scandisk in Progress)
--	--

Printer

The NAS supports printer server function, and you can share the USB printer within your network.

Current Status	The different states are: Offline Online Out of Paper
No. of Print Jobs	The total number of print jobs in the Print Queue, waiting to be printed.

Disks

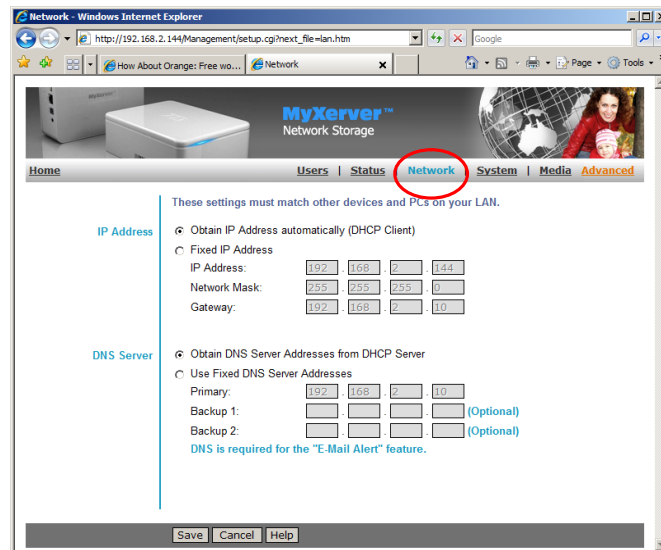
Displays the status of both the Internal and USB disks.

Model	Model name of the disk, it's provided by the manufacturer.
Total Space	Total amount of the disk space.
Free Space	Amount of the disk space still available to users
Partition	Partition number of USB disk
File System	File system used in the partition
Share	Corresponding share of the partition
Total Size	Total size of the partition.
Free Size	Free size of the partition

Save Button	Click this button to save the settings on the page.
Cancel Button	Click this button to cancel the modifications on the page.
Shutdown Now Button	Shutdown the Server immediately. This will break all existing connections, including this one. Clicking this button does NOT save any data you have entered.
Restart Now Button	Restart (reboot) the Server. This will break all existing connections, including this one. The NAS Server will immediately restart, but could take a few minutes before it is available again. Clicking this button does NOT save any data you have entered.
Delete Current Job Button	Clicking this button will delete the Print Job currently being printed. Use this if the document is not printing correctly.
Delete All Jobs Button	Clicking this button will delete all Print Jobs in the Print Queue. Use this to clear the Print Queue.
Refresh Button	Click this to update the data shown on screen.

D. NETWORK SCREEN

This screen allows you to set the IP Address and related information required for TCP/IP networks



IP Address

Obtain IP Address automatically (DHCP Client)	Do NOT select this unless you have a DHCP Server on your LAN. A DHCP Server can provide an IP Address to PCs and other devices when they boot.
Fixed IP Address	Select this if your LAN does not have a DHCP Server, and enter the following data. IP Address: The IP Address must be unused, and compatible with the PCs on your LAN. Network Mask: Enter the same Network Mask (Subnet Mask) used by PCs on your LAN. Gateway: If your LAN has a Router or Gateway, enter its IP Address here. Otherwise, leave this blank.

DNS Server

A DNS (Domain Name Server) translates Internet addresses (e.g. microsoft.com) to IP Addresses. Use the same values as on your PC, or recommended by your ISP (Internet Service Provider). At least one (1) DNS entry is required if using either the "E-Mail Alert" feature. Otherwise, the DNS entries may be left blank.

Obtain DNS Server Addresses from DHCP Server	Select this if you want to obtain DNS Server Addresses from DHCP server when DHCP Client is enabled.
Use Fixed DNS Server Addresses	Select this if you want to specify some DNS Server Addresses. Primary: IP Address of the first DNS Server. Backup 1: IP Address of the DNS Server to be tried if the first server is busy. Backup 2: IP Address of the DNS Server to be tried if the second server is busy.

Save Button	Click this button to save the settings on the page.
Cancel Button	Click this button to cancel the modifications on the page.

E. SYSTEM SCREEN

System Settings - Windows Internet Explorer

http://192.168.2.144/Management/setup.cgi?next_file=system.htm

System Settings

MyXerver™ Network Storage

Home | Users | Status | Network | System | Media | Advanced

This screen contains some basic information about your Network Storage. After initial configuration, no changes should be required.

Identification

Server Name: MyXerver

Comment:

Workgroup: workgroup

Printer Name: MyXerver_p1

Date & Time

Time Zone: (GMT+08:00) Singapore

☐ Change System Date and Time as Following

Date: Nov 19, 2008 (Month, Day, Year)

Time: 11:55 am

NTP

☒ Synchronize with Time Server (NTP)

NTP Server: time.windows.com

Status: Synchronization with time server 207.46.197.32 succeeded
Current Time: Nov 19 11:55:46 2008
Offset: 86504.323891 sec.

Synchronize with NTP server every 24 Hours from 12:00 am

Sync Now

WINS Server

☐ Enable WINS

WINS Server:

Language

Language Environment: USA

Download Manager

☒ Enable Download Manager

Max Running BT Tasks: 4

Max Running HTTP/FTP Tasks: 5

☐ Enable Schedule

Day: Every Day

Time: From 12:00 am to 12:00 am

E-Mail Alert

☐ Send E-Mail Alerts when Problems are Detected

E-Mail Address (1): Send Test Mail

E-Mail Address (2): Send Test Mail

E-Mail Address (3): Send Test Mail

From Address:

Subject: MyXerver Alerts

☐ Use Specified SMTP Mail Server

SMTP Mail Server: (Outgoing Mail Server)

SMTP Port Number: (25, 1024-65535)

☐ Mail Server requires Authentication

Account Name:

Password:

Result of Test Mail:

Options

☒ Enable Guest Logins

☐ Convert failed logins to "guest" logins (Windows Networking)

☐ Enable NFS Server

☒ Enable AFP Server

☒ Enable FTP Server

☒ Allow anonymous FTP login ("guest" rights)

Bandwidth Limit: KB/s

☒ Enable UPnP Support

☒ Enable Recycle Bin

Clear Recycle Bin Termly:

Port Number for HTTP (Web Browser) connections to this server:

Identification

Name	You can change the name of the NAS here.
Comment	Enter a comment (e.g. the location of the NAS).
Workgroup Name	This should match the "Workgroup Name" on your PCs. If the Workgroup name does not match, access to the NAS is still possible, but the NAS will not appear when you click the "Browse Network" button (for example, when adding a Network Printer)
Printer Name	Specify one name for the Printer Server. After you plug one printer into one USB port, the Printer Name will occur in Network Neighborhood and you can click it to install the Printer Server

Note: Some special characters (e.g. " / \ [] ; | = . , + * ? < > ' ` () # \$ %) and 2-byte characters cannot be used in these fields.

Date & Time

Time Zone	Select the correct time zone for your location.
Change System Date and Time as Following	Check this box to update date and time. The date and time setting will not be sent to the server if this box is not checked.
Date	Enter the local date. The NAS Server will set it own calendar according to the date you provide.
Time	Enter the local time at your location. The NAS Server will set its own clock according to the time you provide. Remember that this is not sent to the Server until you click "OK".

NTP (Network Time Protocol)

Synchronize with Time Server	If enabled, the NAS will synchronize its clock with a NTP (Network Time Protocol) Server.
NTP Server	Enter the domain name or IP address of the NTP server you wish to use. The NTP server can be a public server (on the Internet) or a local server (on your own network). Note that some special characters (e.g. " / \ [] : ; = , + * ? < > ' `') and 2-byte characters cannot be used in it.
Status	This shows the status of the NTP update procedure.
Synchronize ...	Select how often you want the NAS to synchronize its clock with the specified NTP server. You can also specify the time of the next synchronization. This allows you to specify that the synchronization should be performed (for example) at 11.00 pm each day.
Sync Now	Use this button to synchronize with the NTP server immediately.

WINS

Enable WINS	Enable this if your LAN has a WINS Server. If enabled, this device will register with the WINS Server. This will allow users on the LAN to locate this device through a Router. (Without WINS, "Network Neighborhood" or "My Network Places" only scans the local LAN segment.)
WINS Server	If WINS is enabled, enter the IP Address of your WINS Server. Normally, this will be a Windows NT/2000/XP Server.

Language

Language Environment	Specify the language environment for FTP clients and Download Manager.
-----------------------------	--

Download Manager

Enable Download Manager	If enabled, you can use Download Manager function on homepage to download files with FTP and HTTP URLs. If special languages exist in the URLs, you must make sure the Language Environment above is correct, or they possibly fail to be downloaded.
Maximum Running BT Tasks	Specify maximum number of BT tasks that can run at same time. It's up to 5 tasks.
Maximum Running HTTP/FTP Tasks	Specify maximum number of HTTP/FTP tasks that can run at same time. Maximum number of tasks is 10.
Enable Schedule	If enabled, Download Manager only runs on the specified time period. If disabled, Download Manager always runs. The option only takes effect when Download Manager is enabled.
Day	Day of the schedule. If you want Download Manager to run in specified period every day, you need select "Every Day", or you can select others to limit Download Manager to run on one specified day.
Time	Time of the schedule. If selection of Day is not "Every Day", the End Time cannot be after Start Time.

E-Mail Alert

Send E-Mail...	Check this to enable the sending of e-mail alerts by the NAS. Alerts will be sent when there is some problem requiring the Administrator's attention.
E-Mail Address	Enter from 1 to 3 E-Mail Addresses. The messages generated by the NAS will be sent to these destinations. Note that special characters (e.g. " / \ [] : ; = , + * ? < > ' `) cannot be used in them.
From Address (Optional)	Specify one E-Mail Address that appear in the "From" field of e-mail alert generated by the NAS. Usually it's helpful for e-mail alerts to avoid being filtered as junk mails.
Subject (Optional)	Enter the text you wish to appear in the "Subject" field of e-mail alert generated by the NAS. Note that special characters (e.g. " / \ [] : ; = . , + * ? < > ' `) cannot be used in it.
Send Test Mail	Send test mail to specified e-mail address to verify whether the e-mail address can be reached.
Use Specified SMTP Mail Server	You can specify one SMTP (Simple Mail Transport Protocol) server to be used to send E-Mail. It's optional.
SMTP Mail Server	Specify the address of the SMTP Mail Server.
SMTP Port Number	Specify the port number used by SMTP server. It's 25 by default.
Mail Server requires Authentication	If the SMTP Server requires a "login" in order to send mail, check it and enter your login name and password for the SMTP server. This is usually the same as the POP3 server used to receive e-mail. Meanwhile, you need specify the "From Address" as the E-Mail Address that is correlative with the Account Name.
Account Name	Specify the login name that is used to login the SMTP server.
Password	Specify the password that is used to login the SMTP server.

Options

Enable Guest Logins	If enabled, then the user can use "guest" as user ID to login to the NAS. If disabled, then "guest" will not be accepted as a login.
Convert failed logins to "guest" logins	If enabled, then all Windows users will be able to access the NAS via Network Neighborhood/My Network Places, with "guest" access rights. By default, the "guest" user has Read/Write permission to the "Disk" folder on the Internal Disk, and all folders on the USB HDD/FLASH.
Enable NFS Server	If enabled, then it will be possible for users to access files using a NFS (Network File System) client .
Enable FTP Server	If enabled, then it will be possible for users to upload and download files using a FTP client program on their PC. The FTP server supports UTF-8. If the FTP clients don't support UTF-8, please specify right Language Environment above.
Allow anonymous FTP login	The FTP server will prompt for a Username and Password when clients attempt to connect. If this option is Enabled, users will be able to enter "anonymous" as the Username, and any string as the Password. If this option is Disabled, users must provide their correct Name and Password.
Bandwidth Limit	Limit the maximum speed of data transfer for every FTP client. Value must be equal to or larger than 0. 0 means no limit.
Enable UPnP Support	If enabled, the NAS will broadcast it's availability. For LAN users with systems which support UPnP (e.g. Windows ME, Windows XP), an icon for the NAS will be automatically generated.
Enable Recycle Bin	If enabled, deleted files are removed to folders 'Recycle Bin' in every share. If you want to delete the files permanently, you need delete them from folders

	'Recycle Bin' again.
Clear Recycle Bin	Set up a schedule to clear files that exist in the Recycle Bin on a timely basis
Port Number	This port number is used for HTTP (Web Browser) connections to this Server. The default is 80, as used by Web Servers. If this is changed, you should use a number greater than 1024 (8080 is often used). Also, if the port is not 80, you must specify the port in your Web browser, in order to connect. To do this, add a ":" and the port number after the address: e.g. HTTP://192.168.0.100:8080 This example assumes the NAS's IP Address is 192.168.0.100, and the port number is 8080.

F. MEDIA SCREEN

This screen allows you to configure the settings of the multimedia server.

MyXserver™
Network Storage

Home | Users | Status | Network | System | **Media** | Advanced

You can specify the settings of media function in this screen.

iTunes Server

☒ Enable iTunes Server

Server Name:

Content Directory:

MP3 Broadcast

☒ Enable MP3 Broadcast

Server Name:

Port Number:

Play by: ☐ Order ☒ Shuffle

Content Directory:

Media Server

☒ Enable Media Server

Server Name:

Content Directory:

Directory	Media Type	
☒ /DISK/Media/Music	Music	Browse
☒ /DISK/Media/Video	Video	Browse
☒ /DISK/Media/Picture	Picture	Browse
☐	All	Browse

iTunes Server

Enable iTunes Server	If enabled, then the user can listen music that stored in the NAS via iTunes client. This iTunes Server supports files with extensions .mp3, .m4a, and .m4p. The iTunes Server uses port number 3689.
Server Name	Specify the name of the iTunes Server. Note that some special characters (e.g. " \ : , ') and 2-byte characters cannot be used in it.
Content Directory	Specify the location in which music need be served iTunes Server. Note that some special characters (e.g. " \ : * ? < > ' `) cannot be used in it.

MP3 Broadcast

Enable MP3 Broadcast	If enabled, then the NAS will broadcast MP3 in specified folder, and user can listen to them by music players such as WinAMP etc. This MP3 Broadcast supports files with extension .mp3.
Server Name	Specify the name of the MP3 Broadcast. Note that some special characters (e.g. " \ : , ') and 2-byte characters cannot be used in it.
Port	This port number is used for HTTP connections to MP3 Broadcast.. The default is 1234.. If this is changed, you should use a number greater than 1024. In order to connect to the music broadcast via WinAMP etc, need add a ":" and the port number after the address, e.g. : HTTP://192.168.0.100:1234 This example assumes the NAS's IP Address is 192.168.0.100, and the port number is 1234.
Play by	Specify the order that MP3 should be broadcasted. Order - Play by order. Shuffle - Play by shuffle.
Content Directory	Specify the location in which MP3 need be broadcasted. Note that some special characters (e.g. " \ : * ? < > ' `) cannot be used in it.

Media Server

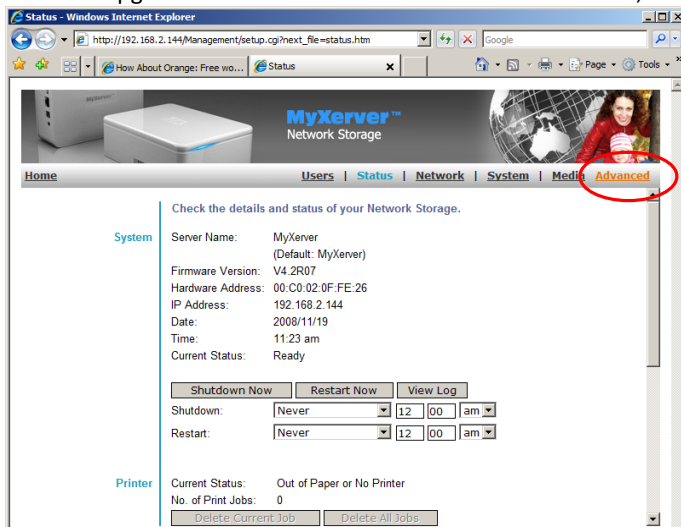
Enable Media Server	If enabled, the NAS can be located by compatible Media Adapters, using the UPnP AV standard developed by Intel and its partners. Media content on the NAS (in the Content Directories specified below) can then be accessed and played by the Media Adapters.
Server Name	Name of the Media Server that is displayed on client devices. Note that some special characters (e.g. " \ : , ') and 2-byte characters cannot be used in it.
Content Directory	Directories where the Media Server shall scan for media content. You can specify four Content Directories at most. You should click the "Browse" button to select the desired folder. Each directory can be limited to a certain media type. The default setting will scan for all content types. Note that some special characters (e.g. " \ : * ? < > ' `) cannot be used in it.

Browse Button	Click this button to select Content Directory.
Save Button	Click this button to save the settings on the page.
Cancel Button	Click this button to cancel the modifications on the page.

CHAPTER 6 ADVANCED ADMINISTRATION SETUP

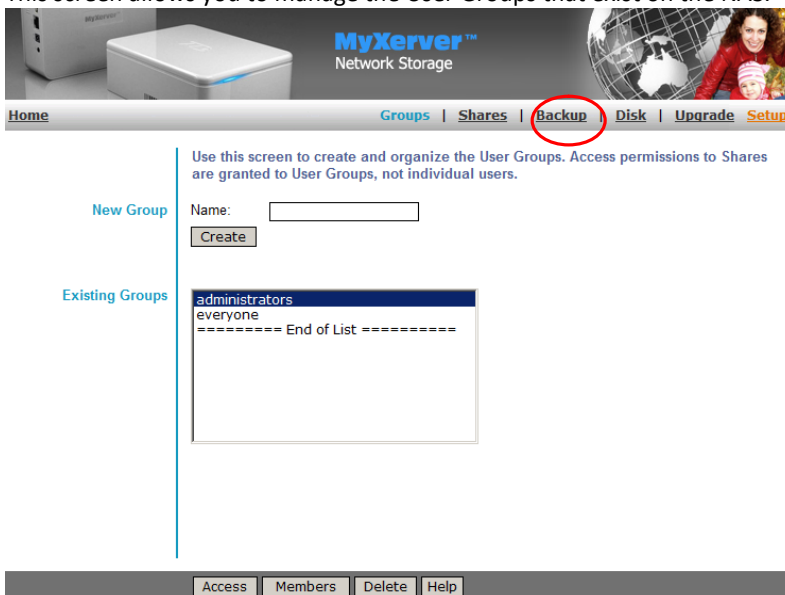
A. OVERVIEW

This section describes the advanced configuration that can be found under the Groups, Shares, Backup, Disk and Upgrade screens. To view the advanced menu tabs, click on Advanced tab as shown below:



B. GROUPS SCREEN

This screen allows you to manage the User Groups that exist on the NAS.



New Group	Use this area to create a new group. Note that some special characters (e.g. "/\[]:; =.,+*?<>'`\$%@) and 2-byte characters cannot be used in Group Name.
Existing Groups	This shows the list of all Groups. Two groups - "everyone" and "administrators" - always exist. These groups cannot be deleted.

Create Button	Use this Button to create a new Group. Enter the desired name for the new Group in the "Name" field, and then click this button.
Access Button	Clicking this will display the shares which members of the current Group are able to access. You can then assign, remove or modify access rights for this Group. Note: The "administrators" Group ALWAYS has Read/Write access to ALL Shares.
Members Button	Clicking this will display the users who are members of the selected Group. You can then add or delete members.
Delete Button	Click this Button to Delete the selected Group. Note: The "administrators" and "everyone" Groups cannot be deleted

GROUPS-ACCESS SCREEN

Click on the **Access** button within the **Groups** screen. You will see the **Groups Access Rights** screen which allows you to view and modify the Groups that can access this Share.

Note: The administrators group ALWAYS has Read/Write (R/W) access to ALL shares.

Group Access Rights

Group Name: administrators

Accessible Shares

ADMIN (RW)
DISK (RW)
-- End of List --

<< Read Access

<< R/W Access

No Access >>

Other Shares

-- End of List --

Select multiple Shares by holding CTRL while selecting.

Help

Close

Group Name	The name of the Group being modified is shown above the 2 lists of shares.
Accessible Shares	The "Accessible Shares" column on the left shows which Shares this Group can currently access. The type of access is shown in brackets. (R = Read Only, R/W = Read-Write). Note: The "administrators" Group has R/W access to ALL shares.
Other Shares	The "Other Shares" column on the right shows all other Shares. The current Group has no access to these Shares.

- **To add access rights:** Select the Share or Share in the right-hand column, then click the "<< Read Access" to provide Read-Only access, or the "<< R/W Access" Button to provide Read-Write access. Multiple Shares can be selected by holding down the CTRL Key while selecting.
- **To remove access rights:** Select the Share or Shares in the left-hand column, then click the "No Access >>" Button. Multiple Shares can be selected by holding down the CTRL Key while selecting.

GROUPS-MEMBERS SCREEN

Click on the **Members** button within the Groups screen. You will see the **Group Members** screen which allows you to check which users are members of the group, and to add or revoke membership of this group.

Note: The "everyone" Group ALWAYS contains all users. You cannot add or remove members.

Group Members

Group Name: administrators

Members (users)

admin
-- End of List --

<<

>>

Other Users

guest
-- End of List --

Select multiple Users by holding CTRL while selecting.

Help

Close

Group Name	The name of the Group being modified is shown at the top of the screen.
Members (users)	The "Members" column on the left shows the users who are currently members of this Group.
Other Users	The "Other Users" column on the right shows users who are not currently members of this Group.

- **To add a member:** Select the User or Users in the right-hand column, and then click the "<<" Button. Multiple Users can be selected by holding down the CTRL Key while selecting.
- **To delete a member:** Select the User or Users in the left-hand column, then click the ">>" Button. Multiple Users can be selected by holding down the CTRL Key while selecting.

C. SHARES SCREEN

This screen allows you to manage the Shares that exist on the NAS. A "Share" is a folder (directory) on the NAS that a User Group can access.

- Only the NAS Administrators can create Shares. However, within a Share, users who have access to that Share can create other folders (directories) as well as files.
- A Share can be accessed by many User Groups, and a User Group can access many Shares.
- If a folder within a Share is also a Share, then all users with access to the outer share will ALWAYS have the same access to the inner share.

MyXerver™
Network Storage

Home | Groups | **Shares** | Backup | Disk | Upgrade | Setup

Shares are folders which are available to network users. Use this screen to create and manage shares.

Existing Shares

ADMIN
DISK
===== End of List =====

Deleting a Share does NOT delete the folder or files.

Properties

Name:

Comment:

Location: ☒ Default Folder ☐ Specified

Location can NOT be changed once share is created.

Existing Shares

Share List	All existing shares are listed. When an existing Share is selected in the list of Shares, its details are displayed in the "Share Properties" area.
------------	---

Properties

Name	The current name will be displayed. The Share Name can be changed if you wish. This does not change the name of the folder (directory) associated with the Share. Share Name can support up to 20 bytes. If the NAS need support Win95/98/NT, the length should be shorter than or equal to 12 bytes. Note that some special characters (e.g. " / \ [] : ; = . , + * ? < > ' ` \$ % @) and 2-byte characters cannot be used in it.
Comment (Optional)	Change or enter a comment if you wish. Note that some special characters (e.g. " \ : , ') and 2-byte characters cannot be used in it.
Location	The Location associated with the Share. Note that once a Share is created, its location cannot be changed.. Default Folder: If this is selected, the share will be created in the root directory.

	Specified: If this is selected, you can define the folder where you want the share. If the folder does not exist, it will be created. Note that special characters (e.g. " \ : * ? < > ' ") cannot be used in it.
--	---

Access Button	Click this Button to view the Groups that have access to the selected Share, and change these access rights as required.
Delete Button	Click this Button to Delete the selected Share. Deleting a Share does NOT delete its folder or any data. The folder and its data is still accessible by the "administrators" group.
Save as New Share Button	After entering the required data in the "Share Properties" area, use this Button to create a new Share.
Clear Form Button	Clear the form, preparing it for the creation of a new Share.
Save Button	Use this Button change the properties of a Share, as follows: Select the desired Share in the Share list. Its details will be displayed in the "Share Properties" area. Change the Share properties as required. Note that you can NOT change the location. Click the "Save" button to save your changes.

SHARES-ACCESS SCREEN

The screen is displayed when you click the **Access** button on the **Shares** screen. This screen allows you to view and modify the Groups that can access this Share.

Note: The administrators group ALWAYS has R/W access to ALL shares.

Access Rights

Share Name: ADMIN

Groups with Access

administrators (RW)
-- End of List --

<< Read Access

<< R/W Access

No Access >>

Other Groups

everyone
-- End of List --

Select multiple Groups by holding CTRL while selecting.

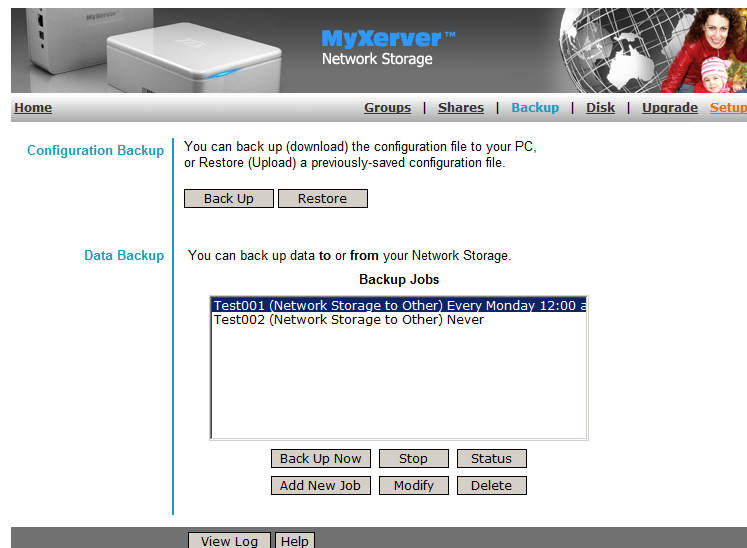
Help

Close

Share Name	The name of the Share being modified is shown above the 2 lists of Groups.
Groups with Access	The "Groups with Access" column on the left shows that group can currently access this Share. The type of access is shown in brackets. (R = Read Only, R/W = Read-Write). Note: The "administrators" Group has R/W access to ALL shares.
Other Groups	The "Other Groups" column on the right shows all other Groups on the current Disk Drive. These Groups cannot access the current Share.

- **To Add Access Rights:** Select the Group or Groups in the right-hand column, and then click the "<< Read Access" to provide Read-Only access, or the "<< R/W Access" Button to provide Read-Write access. Multiple Groups can be selected by holding down the CTRL Key while selecting.
- **To Remove Access Rights** Select the Group or Groups in the left-hand column, then click the "No Access >>" Button. Multiple Groups can be selected by holding down the CTRL Key while selecting.

D. BACKUP SCREEN



There are 2 types of backup services available on the NAS:

1. **Configuration Backup** - This facility allows you to Backup (Download) and Restore (Upload) the NAS's system configuration file. The configuration file contains all network information, as well as the User, Group, and Share information. It does NOT include any information about the data stored on the NAS.
NOTE: Using this feature will overwrite (destroy) any existing configuration information.
2. **Data Backup** - Data files can be backed up from the NAS to another network device, or from another network device to the NAS

Configuration Backup

Back Up Button	Click this to download the system configuration file and save it on your PC.
Restore Button	Use this to restore a previously saved configuration file from your PC to the NAS.

Data Backup

Backup Jobs	This lists any Backup jobs you have defined. If you have not defined any jobs, the list will be empty. For each job which has been defined, the following data is shown: Name - the name you assigned to this backup job.
-------------	--

	Source & Destination - The name of the source and destination devices are shown in the form Source => Destination. Date/Time - The date and time of the last backup are shown. The name of the Share being modified is shown above the 2 lists of Groups.
--	--

Backup Now Button	Run the selected backup job immediately.
Stop Button	Click this button to stop the selected backup job.
Status Button	This button will open a sub-window that shows the status of all Backup jobs.
Modify Button	This button will open a sub-window where you can change the settings of the selected backup job.
Delete Button	Delete the selected backup job.
Add New Job Button	This button will open a sub-window where you can define a new backup job.
View Log Button	View the log of completed backup jobs in a sub-window.

BACKUP-BACKUP JOB SCREEN

On the Backup screen, click Add New Job button. You will see the Backup Job screen.

3 types of backup options are supported:

- Full
- Incremental
- Synchronize

Backup Job

Name:

Backup Type: Full

Direction: ☒ From this Network Storage to another device
☐ From another device to this Network Storage

Local Location: Folder: Browse

Remote Location: Server Name:
Shared Folder: (e.g.: /share)
☐ The Server Requires Authentication
User Name:
Password:

Schedule: Never 12 : 00 am

Save
Close
Help

Name	Enter a suitable name for this job. Note that some special characters (e.g. " / \ [] : ; = , + * ? ` ~ ! @ # \$ % ^ & () { } ' < >) and 2-byte characters cannot be used in it.
Backup Type	Select the desired backup type:

	▪ Full - All files will be backed up. ▪ Incremental - Only changed files will be backed up. ▪ Synchronize - All files are backed up, and any files on the destination that do not exist on the source are deleted.
Direction	Select the desired option: ▪ From this NAS to another device ▪ From another device to this NAS
Local Location	Select the desired folder in this NAS: ▪ If backing up from this NAS, select the folder you wish to backup. ▪ If backing up from another device to this NAS, select the folder where you want the backed-up data to be stored. Note that some special characters (e.g. " / \ : * ? < > ' `') cannot be used in it.
Remote Location	Enter the details of the remote device: ▪ Name - Enter the name of the other device, as seen on the network. ▪ Shared Folder - Enter the name of the shared folder. Depending on the direction of the backup, this is either the share to be backed up, or the destination for the backed-up data. Note that some special characters (e.g. " / \ : * ? < > ' `') cannot be used in it. ▪ The Server Requires Authentication - If the share is password-protected, enable this checkbox and enter the User Name and Password required to gain access to the share.
Schedule	Select the desired option from the list: ▪ Never - This will disable this backup job. ▪ Every Day - Select this to have the backup job performed each day, at the specified time. ▪ Every Monday, Every Tuesday, ... Select this to have the backup performed once per week, on the specified day. Use the time fields (hour, minute, am/pm) to specify when the backup job should be performed.

Browse button	Click it to select one folder in this NAS.
Save button	Click it to apply modifications to the settings
Close button	Close the window

BACKUP-STATUS SCREEN

On the Backup screen, click Status button. You will see the Job Status screen.

Job Status			
Job Name	Schedule	Status	Admin
Test001	Every Monday 12:00 am	Idle	Start
Test002	Never	Idle	Start

Refresh Help Close

Job Name	Displays the name of jobs.
Schedule	Shows if there is a schedule for the job.
Status	The status can be "Running", "Waiting" or "Idle".
Admin	Click this to "Stop" or "Start" the job.

Refresh Button	Refresh the status window
Close Button	Close the window

E. DISK SCREEN

This screen allows you to do disk maintenance on the NAS.

- **Format Disk** - use this after installing a new disk. The disk will be partitioned and quick-formatted. **Any data on the disk will be lost!**
- **S.M.A.R.T.** - S.M.A.R.T. (Self-Monitoring, Analysis, and Reporting Technology) can warn of impending problems with the Hard Disk, before it actually fails. This test should be performed regularly.
- **Scandisk** - running the Scandisk (Disk Check) program will check the file system, and correct any errors found. This program should be run regularly. The Scandisk program will also run automatically if an error condition is detected, such as an abnormal shutdown due to loss of power.

MyXerver™ Network Storage

Home | Groups | Shares | Backup | Disk | Upgrade | Setup

Use this screen to perform any disk maintenance required.

Format

Internal Disk:

USB Disk:

The format operation will destroy any data on the disk !

Scandisk

Status:

Schedule:

During a Scandisk, the disk cannot be accessed.

S.M.A.R.T.

Status:

Schedule:

Standby

Set Hard Disk to Standby Mode after

Format

This allows you to format both the internal disk and the USB disk.

Internal Disk	Not Installed - No disk is inserted, or connection or disk has failed. Not Formatted - Disk has been detected, but it is not ready for use. Use the "Format" button to prepare the disk for use. Formatting - This message will only be displayed after you have clicked the "Format" button. (See below for details of this button.) Formatted - Disk is ready for use.
USB Disks	No Installed - No disk is inserted into this USB port. Not Formatted - This USB disk hasn't been formatted into FAT or NTFS file system. You can click "Format" button to format it. Formatted – Disk is ready for use.

Format Button	Use this button to format the disk. This will partition and quick-format the new disk. WARNING! This will destroy any data on the disk. Once started, this process can NOT be halted or reversed
---------------	---

Scandisk

Status	▪ N/A - No disk is available. ▪ Not Scanned - No Scandisk has been performed recently on this drive. ▪ Scanning - Scandisk operation is in progress. The disk cannot be used while a Scandisk is in progress. If required, use the "Stop" button to terminate the Scandisk operation and gain
--------	---

	access to data on the disk. (To see the results of the Scandisk operation, use the "View Disk Log" button.) - Completed - The last Scandisk operation has been completed. You can use the "View Disk Log" button to view the results. - Terminated - The last Scandisk operation was cancelled by the Administrator before it was completed.
Schedule	- Never - Scandisk will not be scheduled to run. - Every Day - select this to have scandisk run each day, at the specified time. - Every Monday, Every Tuesday, ... - Select this to have the scandisk run once per week, on the specified day. - Use the time fields (hour, minute, am/pm) to specify when the scandisk operation should be performed.

Start Button	Click the button to start the Scandisk. The Scandisk could take long time, and the disk is unavailable to users while the Scandisk is in progress.
Stop Button	If a Scandisk is in progress, and you wish to stop it, click the Stop button.

S.M.A.R.T

Status	- Not Installed - No disk is available. - Not Checked - No S.M.A.R.T. check has been performed on this drive since system boots up. - OK - No errors were found in the last test. - Going to fail - The S.M.A.R.T. check found errors on the drive and the disk is going to fail.
Schedule	- Never - S.M.A.R.T. check will not be scheduled to run. - Every Day - Select this to have S.M.A.R.T. check to run each day, at the specified time. - Every Monday, Every Tuesday, ... - Select this to have the scandisk run once per week, on the specified day. - Use the time fields (hour, minute, am/pm) to specify when the S.M.A.R.T. check should be performed.

Check Button	Check - Click this button to run the S.M.A.R.T. check immediately.
--------------	--

Standby

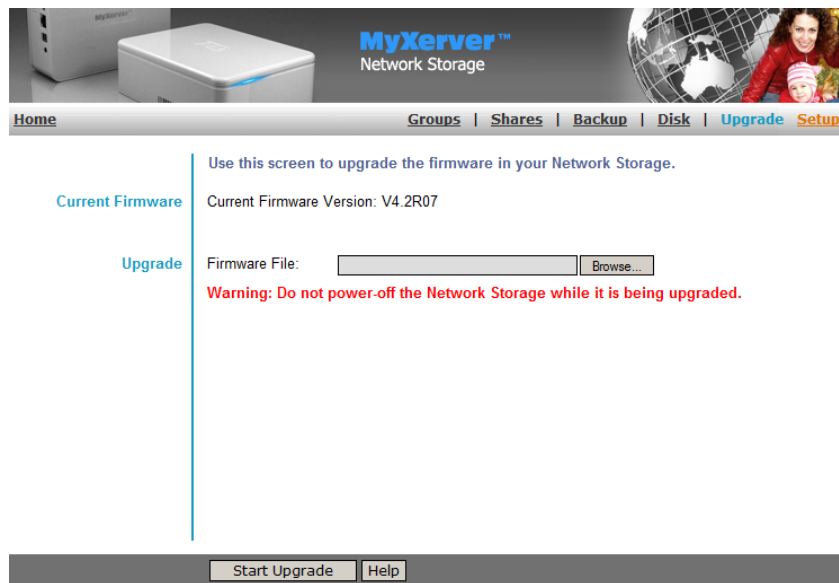
Set Hard Disk to Standby Mode after	Idle 10 minutes – Set HDD to standby mode, if idle for 10 minutes Idle 30 minutes – Set HDD to standby mode, if idle for 30 minutes
-------------------------------------	---

Other Buttons

Save Button	Click it to save the modifications in this window
Cancel Button	Restore the settings on the screen to their values after the last "Save" operation. Clicking "Cancel" has NO EFFECT on any operations in progress.
View Log Button	View the log messages of disk maintenance

F. UPGRADE SCREEN

The Upgrade facility allows you to upgrade the NAS's firmware. Note that the NAS is unavailable during the upgrade process, and all connections will be lost.. The NAS will reboot once the upgrade installation is completed. The procedure may take from 5 to 10 minutes.



Current Firmware

This displays the version number of the NAS's current firmware.

Upgrade

You will need to locate the Firmware file.

Browse Button	Click this button to browse the folders on your PC and select the Firmware file (e.g. C:\downloads\NS65L_V36R01.bin). Note: Implementation of this feature is Browser-dependent
---------------	--

Other Buttons

Start Upgrade Button	Click this button to start the firmware upgrade.
----------------------	--

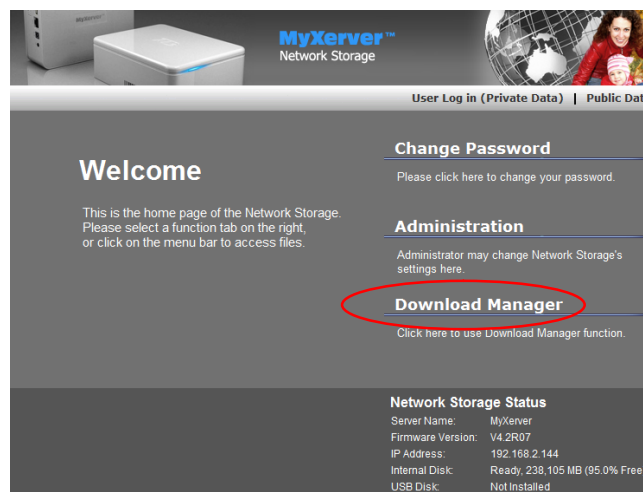
CHAPTER 7 DOWNLOAD MANAGER

A. OVERVIEW

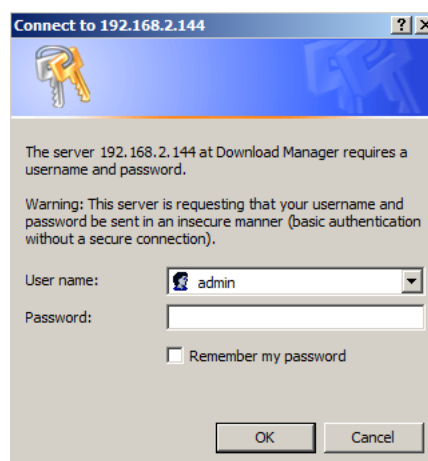
Download manager allows you to download files via FTP, HTTP or Bit Torrent without the need to turn on the PC continuously. Once the download configuration is defined on the NAS, the files will be downloaded automatically.

THE WEB-BASED DOWNLOAD MANAGEMENT INTERFACE

To access the Download Manager interface, click the "Download Manager" link on the home page.



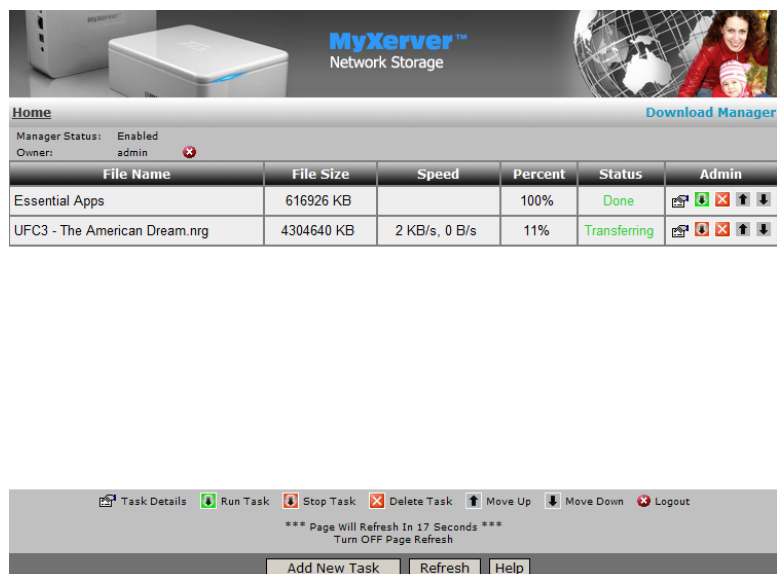
You will then be prompted for a password, as shown below.



Default administrator user name is "admin", and password is blank.

B. DOWNLOAD MANAGER SCREEN

This screen allows you to manage your download tasks.



Manager Status	The status can either be 'Enabled' or 'Disabled'.
Owner	Name of the user that logs the Download Manager.
File Name	Name of the saved file in the NAS for the task.
File Size	Total size of the downloaded file for the task.
Speed	Speed of the task. HTTP/FTP task only has download speed. BT task has download speed and upload speed, and its format is such as "Download Speed, Upload Speed".
Percent	Completed percentage of the downloaded file from the URL.
Status	The status can show "Waiting", "Connecting", "Failed", "Paused", "Hashing", "Transferring" or "Done".
Admin	Select the tasks to be executed here

Task Details	View the detailed information of the task.
Run Task	Start to run the selected task.
Stop Task	Stop the selected task.
Delete Task	Delete the selected task. If the task is done, its saved files are kept, or all files are deleted.
Move Up	Increase the priority of the task.
Move Down	Decrease the priority of the task.
Logout	Leave the screen of Download Manager.
Add New Task	Open the window to add new task.
Refresh	Refresh the status of tasks.
Help	Click it to view on-line help.

DOWNLOAD MANAGER – ADD NEW TASK SCREEN

Click on the Add New Task Button This screen allows you define download task of Download Manager.

Download Task

Source

Type: BT

Torrent File:

☒ From URL

☐ From Local PC Browse...

☐ **Authentication Required** (Optional)

Account:

Password:

Destination

Share Folder: ADMIN

Subdirectory: (e.g.: /movie)

Save
Cancel
Close
Help

Source

Type	Specify type of the file to be downloaded. It can be HTTP/FTP or BT (Bit Torrent).
URL(HTTP/FTP)	Specify the URL if type is HTTP/FTP.
Torrent File	Specify the torrent file with which you need download files. You can upload it from local PC or provide one HTTP/FTP URL for it.

Authentication

Authentication Required (Optional)	If authentication is needed to access the URL, need enable it and input the account and password.
Account	Account name that is used to access the URL if necessary.
Password	Password that is used to access the URL if necessary.

Destination

Share Folder	Select name of the share where downloaded file will be saved.
Subdirectory	Select the subdirectory under the selected share where downloaded file will be saved.

Save Button	Save the new task.
Cancel Button	Cancel the modifications on the web page.
Close Button	Close the window.

CHAPTER 8 ACCESSING MYXSERVER™ OVER THE INTERNET

A. OVERVIEW

If your LAN is connected to the Internet, typically by a Broadband Gateway/Router and Broadband modem, you can make the NAS available via the Internet. Features available to Internet users include:

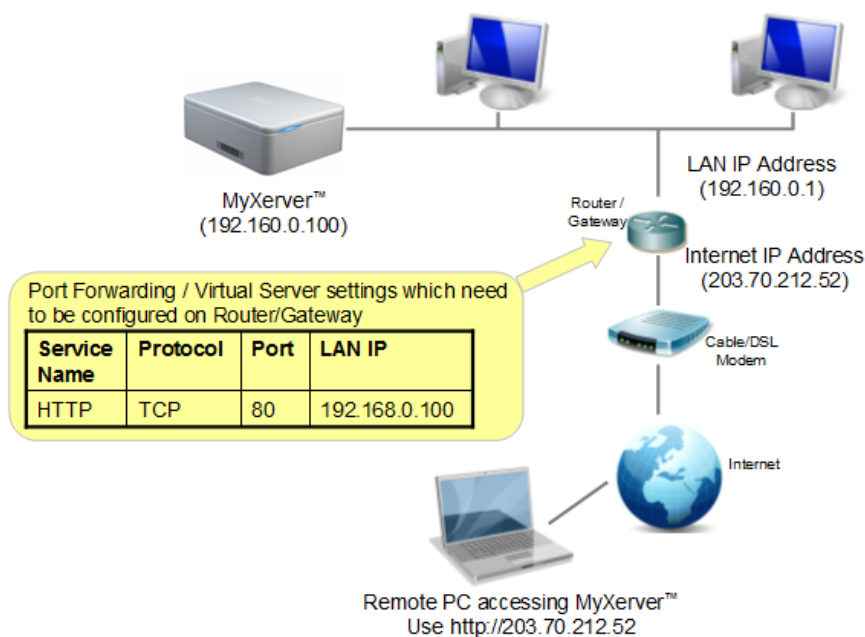
- Using a Web browser to view and download files.
- Remote management

B. MAKING THE NAS AVAILABLE VIA THE INTERNET

If your LAN is connected to the Internet via a Router or Gateway, you can make the NAS available from the Internet.

No changes to the NAS configuration are required, unless you wish to use a port number other than the default value of 80 for Web connections.

- 1 Your Router or Gateway must be configured to pass incoming HTTP connections to the NAS. This feature is normally called **Port Forwarding** or **Virtual Servers**, and is illustrated below. Please refer to your Router manual on how to configure Port Forwarding / Virtual Servers.



- 2 To connect to the NAS, Internet users need to know and use the Internet IP address (public IP address) of your Router/Gateway. There are a number of ways to find out what is the Internet IP address of your Router/Gateway. One way is to connect to a website such as <http://whatismyip.com/>, and it will show you what internet IP address you are using.
- 3 Finally, from a remote PC on the internet, you will just have to enter <http://<internet IP address>> from Step (2), to access the NAS.

NOTE ON CHANGING HTTP (WEB BROWSER) PORT NUMBER

Default HTTP port number is 80. If you prefer to use a different port number, for example, 8080, then you need to

- Specify port number “8080” on the NAS System screen
- Specify “8080” port number on your router’s Port Forwarding/Virtual Server settings.
- Specify “8080” port number in your web URL address when trying to access the NAS, for example “<http://<internet IP address>:8080>”.

C. ACCESSING YOUR NAS USING A DOMAIN NAME

You may want to use a host name instead of having to specify the internet IP address, each time you connect to your NAS. Moreover, most broadband Internet Service Providers (ISP) assign dynamic (changing) IP addresses, so it may not be convenient to track what is the latest internet IP address to use.

When you use a Dynamic DNS Server Provider, your friends can enter your host name to connect to the NAS, even if the internet IP address has been changed.

Note: Your Router/Gateway must be able to support Dynamic DNS feature. Please check the router manual for more information.

The following section gives a general description on how to configure and use Dynamic DNS feature.

- 1 First of all you need to find a Dynamic DNS provider to register and get your domain name. Some popular Dynamic DNS providers are DynDNS and TZO. You may need to purchase the domain name.
- 2 Enable Dynamic DNS feature in your Router/Gateway. In a typical router you will need to setup the following:
 - Enable the DDNS feature
 - Specify the DDNS service provider name
 - Enter the host name which you have registered with the dynamic DNS service provider (example: `http://myhost.mydomain.net`)
 - Enter username and password provided by the DDNS service provider
- 3 If you wish to access the NAS remotely from the internet, you can now type for example `http://myhost.mydomain.net`.

CHAPTER 9 FREQUENTLY ASKED QUESTIONS

A. I CANNOT FIND MYXERVER™ ON THE NETWORK USING THE NAS UTILITY

- Check that the NAS is installed, LAN connections are OK, and it is powered ON and startup is complete.
- Ensure that your PC and the NAS are on the same network segment (not on different networks across a router)
- Ensure that your PC has the TCP/IP network protocol loaded.
In Windows, this is done by using *Control Panel-Network*. If an entry for TCP/IP -> Network card is not listed, use *Add - Protocol - Microsoft - TCP/IP* to add it.
You then need to select the new entry (TCP/IP -> Network card), click *Properties*, and configure the *IP Address* tab.
- Ensure that the NAS is allocated a valid IP address.
If your LAN has a DHCP Server, you can select "Obtain an IP Address automatically" on the NAS.
Otherwise, you must select "Specify an IP Address", and enter values for *IP Address* and *Subnet Mask*. The *IP Address* range commonly used is 192.168.0.1 to 192.168.0.254, with a *Subnet Mask* of 255.255.255.0. (The NAS Server's default IP Address is 192.168.0.2, with a Subnet Mask of 255.255.255.0). Remember that each device needs a unique IP Address, and the same Subnet Mask.
- An alternative way to find the NAS on the network is to use a web browser and type "http://myxerver". This method works if you have not changed the default host name of the NAS.

B. THE NAS HAS BEEN CONFIGURED, BUT I CAN'T FIND IT IN WINDOW'S NETWORK NEIGHBORHOOD.

Try out the following methods:

- In Windows, click on Start – Run. A window will pop up, asking which file/folder/internet resource to open. Type in for example [\\myxerver](#) or [\\192.168.0.2](#), depending on what host name or IP address you have assigned to the NAS.
- If you are running Windows 98, click on *Start - Find - Computer*, and enter the NAS Server's name. If this does not work, use *Control Panel - Network* to check the following:
 - TCP/IP protocol is installed. If not, use *Add - Protocol - Microsoft - TCP/IP* to install it.
 - Check the network Bindings:
 - Ensure the TCP/IP protocol is bound to your Network card (NIC).
Select your Network card, click *Properties*, and then the *Bindings* tab. If TCP/IP is not bound (checked), check it.
 - Ensure the TCP/IP -> Network card entry is bound to the *Client for Microsoft Networks* service.
Select the *TCP/IP* entry for your Network Card, click *Properties*, and then the *Bindings* tab. If *Client for Microsoft Networks* is not bound (checked), check it.
- If you had manually assigned an IP address to the NAS (for example, in the case where you do not have a router with DHCP server), check that your IP Address is compatible with the NAS's. This means it needs to

be from the same address range (e.g. 192.168.0.1 to 192.168.0.254) and using the same Subnet Mask (e.g. 255.255.255.0).

- If you DO have a router, check that your *Gateway IP Address* is set correctly. Ask your LAN administrator for the correct value.

C. WHEN I CLICK ON AN NAS FOLDER ICON IN NETWORK NEIGHBORHOOD, I GET PROMPTED FOR A PASSWORD.

This can happen in the following situations:

- You have the correct logon name, and the NAS is prompting you for the password. In this case, simply enter your NAS password, or make your Windows password the same as the NAS password.
- The logon name you used on your PC is NOT recognized by the NAS, and was converted to guest, with guest access rights. Ask the NAS Administrator to create a user name for you.
- You do NOT have access permission for this share. In this case, ask the NAS Administrator to grant you access.

Note: Windows uses the Computer name, as shown on Control Panel - Network - Identification, as the default Logon Name. But you can create a new Windows logon name by merely entering a new name and password at the Logon prompt.

D. HOW TO SETUP ITUNES SERVICE

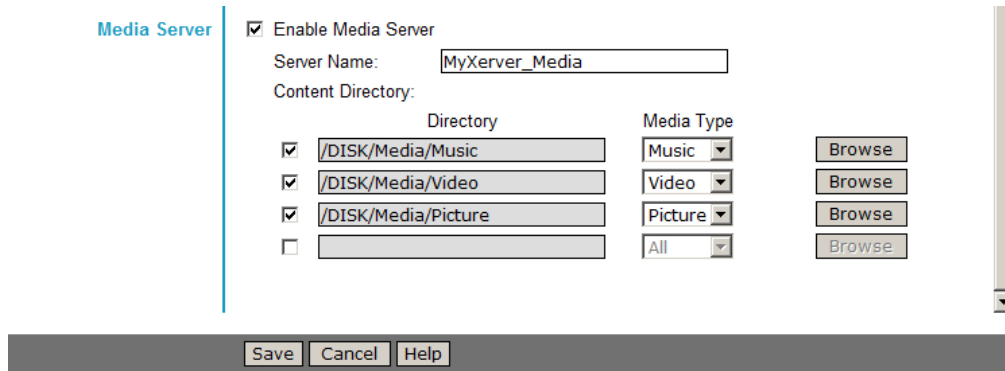
1. Copy your music collection onto the NAS, for example at /DISK/iTunes.
2. Log on to MyXerver™'s web management interface as Administrator. On the NAS home page, click on **Administration**. Then select the **Advanced** menu, and click on **Media**. (You can also refer to Chapter 5 – Media section.)
3. You will see the **Media** screen as shown below.

MyXerver™
Network Storage

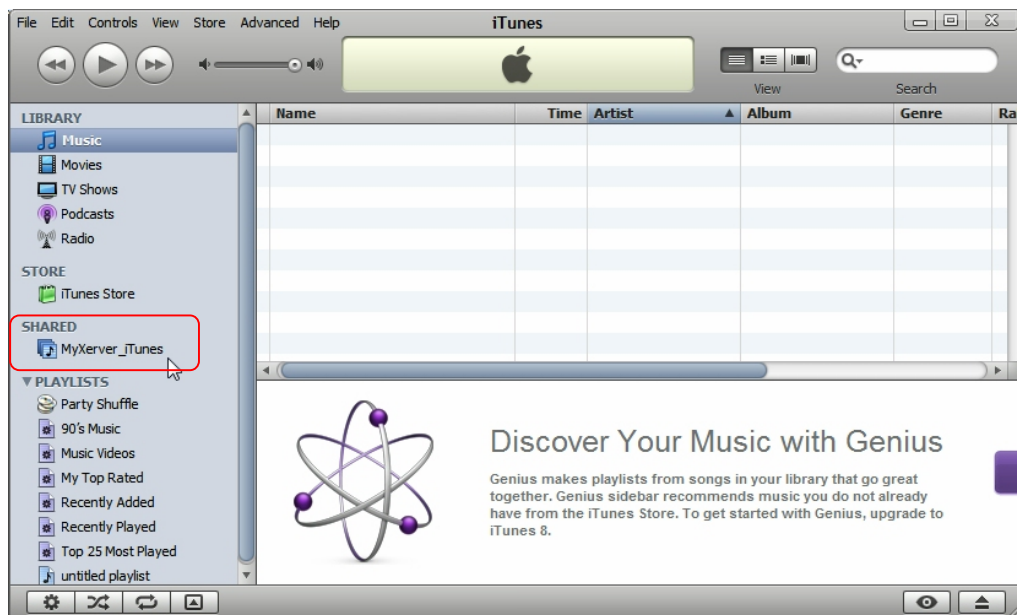
Home | Users | Status | Network | System | Media | **Advanced**

You can specify the settings of media function in this screen.

Media Function	Settings
iTunes Server	☒ Enable iTunes Server - Server Name: MyXerver_iTunes - Content Directory: /DISK/iTunes Browse
MP3 Broadcast	☒ Enable MP3 Broadcast - Server Name: MyXerver_MP3 - Port Number: 1234 - Play by: ☐ Order ☒ Shuffle - Content Directory: /DISK/MP3 Browse



- Check on the box to enable iTunes Server as shown above.
 - Specify a Server Name for example “MyXerver_iTunes”.
 - Click on Browse button to find or create the folder where iTunes music will be stored.
 - Click on **Save** button at the bottom of the Media screen.
4. Then, on your computer which is on the same network as the NAS, run the iTunes software. (You can download the latest version of iTunes software from <http://www.apple.com>.) The iTunes software will be able to detect the all shared iTunes library on the network. If you had specified the server name as “MyXerver_iTunes” on the NAS, you will be able to see this entry under **SHARED** in your iTunes interface.
 5. To listen to the music, simply click on “MyXerver_iTunes”, and you will be able to see the list of songs which you have copied in step (1).



E. HOW TO SETUP MP3 BROADCAST

1. Copy your music collection onto the NAS, for example at /DISK/MP3.

- Log on to MyXerver™'s web management interface as Administrator. On the NAS home page, click on **Administration**. Then select the **Advanced** menu, and click on **Media**. (You can also refer to Chapter 5 – Media section.)
- You will see the **Media** screen as shown below.

You can specify the settings of media function in this screen.

iTunes Server

☒ Enable iTunes Server

Server Name:

Content Directory:

MP3 Broadcast

☒ Enable MP3 Broadcast

Server Name:

Port Number:

Play by: ☐ Order ☒ Shuffle

Content Directory:

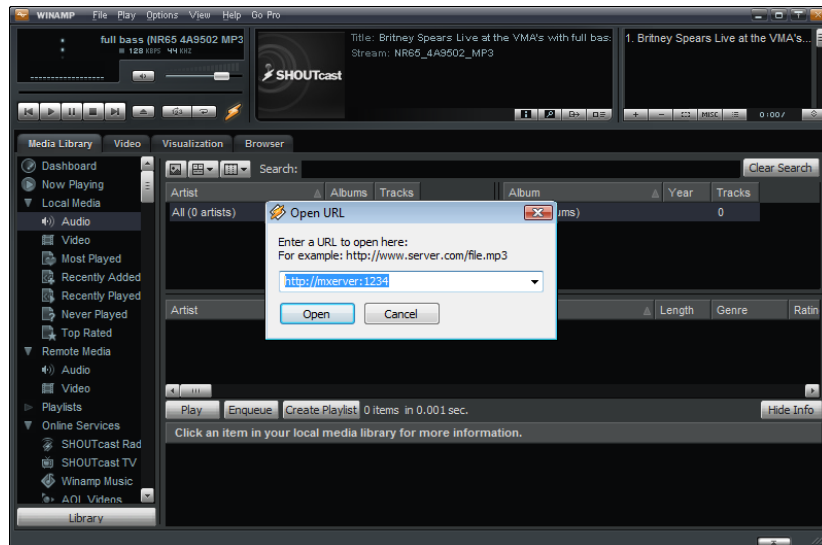
Media Server

☒ Enable Media Server

Server Name:

Directory	Media Type	
☒ /DISK/Media/Music	Music	Browse
☒ /DISK/Media/Video	Video	Browse
☒ /DISK/Media/Picture	Picture	Browse
☐	All	Browse

- Check on the box to enable MP3 Broadcast as shown above.
 - Specify a Server Name for example "MyXerver_MP3".
 - Default port number is 1234.
 - Select how you want the music to be played: either by "Order" or "Shuffle".
 - Click on Browse button to find or create the folder where the MP3 music will be stored.
 - Click on **Save** button at the bottom of the Media screen.
- Then, on your computer which is on the same network as the NAS, run a music player such as WinAmp. Specify the URL to open, for example: <http://myxerver:1234>. See the WinAmp sample screenshot below. You will be able to listen to the music being played.



F. HOW TO DO A DIRECT USB COPY

Scenario: Sometimes you may want to quickly transfer contents from a USB flash drive to your NAS without using the computer.

1. Plug in the USB device into the USB port of MyXerver™. You will hear a beep sound as the device is being recognized.



Type	Share Name	Location	Comment
	DISK	Internal Disk	
	HDD 1_1	USB 1	For everyone

2. Press the USB Eject button for 5 seconds. You will hear 2 beep sounds, indicating that the data is being copied onto the NAS.
3. On the NAS, you will see that a folder at /DISK/USB_COPY_SEC has been created. The contents of the USB device are copied to this folder. See the screen shot below.



The image shows the MyXerver Network Storage web interface. At the top, there's a banner with the MyXerver logo and a family photo. Below the banner, there's a navigation bar with 'Home' and 'User Log in (Private Data)'. The main content area shows the current location as '/DISK/USB_COPY_SEC/'. A table lists the files and folders in this directory:

Type	Name	Size	Modified Date
..	(Parent Directory)		
SAMSUNG	HM040HI		11/27/2008 14:03
TREK	TDPAPIER		11/27/2008 13:52

There is also a 'Show Thumbnails' button next to the first row.

4. After the data is being copied, be sure to disconnect the USB device safely. You may refer to Chapter 3: Basic Installation, Section B: USB Devices – How to disconnect safely.

LIMITED WARRANTY STATEMENT

MyXerver™ MX3600 Network Storage

Warranty Duration

Hardware: 3 years Limited Warranty

Hardware Limited Warranty

Universal Tech Pte Ltd warrants that the product that you have purchased from Universal Tech is free from defects in materials or workmanship under normal use during the Limited Warranty Period. The Limited Warranty Period starts on the date of purchase. Your dated sales or delivery receipt showing the date of purchase is your proof of purchase date.

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If your Universal Tech hardware product fails to work as warranted above, Universal Tech's maximum liability under this limited warranty is expressly limited to the lesser of the price you have paid for the product or the cost of repair or replacement of any hardware components that malfunction in conditions of normal use.

Exclusions

Universal Tech does not warrant that the operation of the product will be uninterrupted or error-free. Universal Tech is not responsible for damage that occurs as a result of your failure to follow the instructions intended for the product. This Limited Warranty does not apply to product under the following circumstances:

- serial number has been removed
- product enclosure has been opened
- product has been damaged or defective due to a) transportation, b) accident, misuse, abuse, water, fire, lightning or other acts of nature, c) improper or inadequate site maintenance, d) normal wear and tear, (e) software not supplied by Universal Tech.

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FCC STATEMENT

Federal Communications Commission Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

SOFTWARE LICENSE

A. OVERVIEW

Many software components are covered by the GNU GPL (General Public License). Some are covered by the BSD License.

The following table provides details of the various components.

The text of both Licenses is below.

Package Name	License
bash	GPL
bftpd	GPL
BusyBox	GPL
CUPS	GPL
e2fsprogs	GPL
gawk	GPL
gdbm	GPL
glibc	LGPL
hdparm	BSD
Kernel	GPL
libtermcap	LGPL
Lilo	BSD
LPRng	GPL
mod-utils	GPL
net-tools	GPL
openssl	BSD
pam	BSD or GPL
quota	BSD
Samba server	GPL
sh-util	GPL
smtpclient	GPL
sysVinit	GPL
telnet-server	BSD
textutils	GPL
thttpd	BSD
Tinylogin	GPL
Ucsc-smartsuite	GPL
udhcp	GPL
upnpsdk	BSD
util-linux	GPL
vixie-cron	Distributable
XFS patch	GPL
xfsdump	GPL

xfsprogs	GPL
xinetd	Distributable

B. BSD LICENSE

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Version 2, June 1991

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